



Oak Grove Police Department

ROBERT MUENZ
CHIEF OF POLICE

11-109

Received & Inspected July 12, 2011

JUL 19 2011

FCC Mail Room

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: LightSquared Subsidiary LLC Request for Modification of its Authority for an Ancillary Terrestrial Component; SAT-MOD-20101118-00239

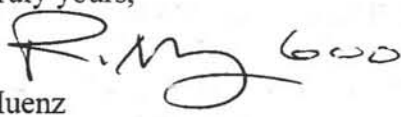
Dear Secretary Dortch:

We have talked about bridging the "digital divide" between our urban and rural areas for many years, but a significant divide still exists. School children and businesses in all parts of Missouri must have reliable, high-speed, competitively-priced mobile broadband coverage. As police chief, I know my department could also benefit from improved and competitively-priced wireless coverage.

I understand that a company called LightSquared is prepared to launch a mobile broadband network that can cover over almost 92 percent of the United States in just a few years. LightSquared's wholesale-only network will also enable rural and other smaller carriers to offer 4G roaming services, enabling them to compete more effectively in the wireless market. Additionally, this coverage is un-interrupted or seamless because it utilizes regular cell phone towers and satellite coverage. This is especially attractive to law enforcement officials like me.

I appreciate the Federal Communications Commission's (FCC) work in studying issues related to interference between LightSquared's network and GPS devices. I encourage you to make recommendations on how we move forward with both LightSquared and GPS. No one wants interference between the two technologies, including me and the men and women on my police force, but I am confident there is a win-win solution that can allow both to peacefully co-exist and we can finally bridge the "digital divide" that exists.

Very truly yours,


Bob Muenz
Chief of Police
Oak Grove, Missouri

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Robert Culbertson
411 Walnut Street #4301
Green Cove Springs, FL 32043-3443

July 15, 2011

Received & Inspected
JUL 19 2011
FCC Mail Room

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

I am a retired airline pilot and have been qualified to conduct GPS enroute navigation as well as GPS instrument approaches. I now rely on the GPS system for navigation of my sailboat both on inland waterways as well as on the high seas. Additionally, I am holder of a "General" class amateur radio license as well as significant other technical career achievements. As such, I am very concerned about the potential for harmful interference to the GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Likewise, the contribution of GPS to aviation needs, both public and private, has been enormous. It should be also a potential savings to the country as other navigation aids, such as the VOR system, expensive ILS approach equipment, as well as many non directional beacons may be safely replaced by GPS technology.

While there may be many influential and deep pocketed advocates of LightSquared's proposal, I hope you will not allow it to go forward without safeguarding the remarkable and economically beneficial GPS system which is a most significant contribution of our great country to world navigation technology.

Sincerely,



Robert L. Culbertson
443 735-7900

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Received & Inspected
JUL 19 2011
FCC Mail Room

July 14, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



JC Schwalback

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Mike Maring
14210 oak Shadows
San Antonio, TX 78232-4419

July 14, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

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FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

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Sincerely,

Mike Maring

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Robert McCulley
7216 Patton Drive
Woodbine, MD 21797-9224

July 14, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

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JUL 19 2011
FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

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Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



Robert McCulley
443-676-9062

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Theodore Breiner
9332 Mount Vernon Circle
Alexandria, VA 22309-3219

July 12, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Received & Inspected
JUL 19 2011
FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



Theodore Breiner

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JUL 19 2011

Aven Andersen
273 South Bay Street
Port Ludlow, WA 98365-9562
FCC Mail Room

July 14, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

GPS serves me and others a useful purpose; I am opposed to anything that will disrupt GPS service, unless something similar replaces it (as GPS has replaced LORAN C). I am a boater and use GPS to assist me in navigation. I am a hiker and wild mushroom hunter, and GPS helps me in reaching my destinations and in not getting lost. GPS is a useful tool for millions of Americans and should not be ruined for private, commercial gain.

According to the 30 June 2011 Final Report of the FCC Work Group, giving LightSquared permission to build a nationwide broadband service right next to the radio spectrum used by GPS will interfere substantially with GPS. The Aviation Sub-Team "concluded that all three phases of the currently proposed . . . plan are incompatible with aviation GPS operations absent significant mitigation . . ." (p.27), and that filter technology, which might mitigate the effects "is not available at this time . . . and that aviation representatives have stated that they believe that pursuing the filter strategy [if and when available] will be expensive to implement." (p. 28). The General Location/Navigation Sub-Team reached similar conclusions: "all phases of the . . . plan will result in widespread harmful interference to GPS signals and service and that mitigation is not possible." (p. 122).

The FCC teams' conclusions are good enough for me to demand that FCC that LightSquared should only be given approval if it will cause NO GPS interference.

Sincerely,



Aven M. Andersen, Ph.D.
360-437-7559

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FCC Mail Room

July 12, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Many of us GPS users have equipment that still works very well, but is no longer being sold. It will not be possible for us to upgrade our GPS receiver, so it would need to be replaced. In my situation, I would need to replace all my boat's instrumentation, its wiring and its autopilot which would cost around \$10,000 just for the parts.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



Richard Troy

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AME Unmanned Air Systems
125 Venture Drive
San Luis Obispo, CA 93401
(805) 541-4448
www.ameuas.com

Received & Inspected

JUL 19 2011

FCC Mail Room

The Honorable Julius Genachowski
Chairman
U.S. Federal Communications Commission
445 12th Street, SW
Washington, D.C. 20554

Subject: IB Docket Number 11-109. FCC File No. SAT-Mod-20101118-00239, LightSquared Subsidiary LLC (LightSquared) Request for Modification of its Authority for an Ancillary Terrestrial Component

Dear Chairman Genachowski:

AME Unmanned Systems, Inc. provides systems development and manufacturing support to the Unmanned Aircraft Industry. We have approximately 75 employees in San Luis Obispo, CA. The unmanned aircraft industry continues to grow in size and importance, and we see great opportunities for economic expansion in this exciting area.

As members of the unmanned systems community, our management team and our employees are deeply concerned about a current waiver request from LightSquared to operate high-powered terrestrial transmitters on a radio frequency adjacent to the weak satellite-based Global Positioning System (GPS). Independent studies show that LightSquared's terrestrial operations could completely knockout GPS receivers for miles around each transmitter.

We ask that before the Federal Communications Commission grants LightSquared this waiver to build tens of thousands of high-powered terrestrial transmitters and use a radio frequency adjacent to GPS, more research and studies be done to assess the impact this initiative may have on GPS, and as a consequence the unmanned systems community.

As you know, all around the world, unmanned systems (air, ground, and maritime) rely on accurate, dependable GPS signals. The lack of a reliable GPS signal poses a serious threat to our public safety and national defense, and the potential expense of retrofitting or replacing affected GPS receivers would truly be an undue burden.

I ask that you take careful consideration of the potential harm LightSquared's proposed plan would have on the emerging field of unmanned systems, not to mention all other users of GPS. Thank you for the opportunity to submit comments for the official record.

Sincerely,

John Purvis
Chief Executive Officer
AME Unmanned Systems, Inc.

cc Congressman Kevin McCarthy
cc Congresswoman Lois Capps

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Bob Gunther
State Representative
Assistant Majority Leader

District 24A
Faribault, Martin and Watonwan
Counties



Minnesota House of Representatives

COMMITTEES: CHAIR, JOBS AND ECONOMIC DEVELOPMENT FINANCE
STATE GOVERNMENT FINANCE
WAYS AND MEANS

Received & Inspected

July 14, 2011

JUL 19 2011

FCC Mail Room

Ms. Marlene Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, D.C. 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB Docket No. 11-109

Dear Secretary Dortch,

We are writing to encourage the Commission to take steps to expand access to reliable cell phone and broadband internet coverage in rural communities.

We are the Chair and the ranking Democrat on the Minnesota House of Representatives Committee charged with encouraging economic development and job growth. Technology and telecommunications are an important component of our economy and provide tremendous opportunities for enhanced productivity and economic growth.

Unfortunately, rural residents lack reliable cell phone coverage as well as wireless broadband Internet services. The economic and social benefits available to urban businesses and individuals are missing for rural America.

Fortunately, a solution to this problem appears to have developed in the form of LightSquared, whose satellite service will allow rural residents to finally gain the benefits urban residents have enjoyed for years.

Questions have been raised as to whether LightSquared's signal might interfere with GPS devices. We understand that this problem has developed because the GPS industry is "squatting" outside the spectrum granted by the FCC. The GPS industry has created this problem and they should fix it. Fortunately, LightSquared's recent announcement that it will transmit signals only in the lower 10 MegaHertz of its licensed spectrum will address more than 99% of the GPS problem.

In conclusion, we ask that the Commission move without delay on LightSquared's application and do everything it can to remove the "digital divide" that separates urban and rural America.

Sincerely,

A handwritten signature in blue ink that reads "Bob Gunther".

Representative Bob Gunther
Chair of Jobs & Economic Development Finance

A handwritten signature in blue ink that reads "Tim Mahoney".

Representative Tim Mahoney
Lead DFL Member

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Peter W. Meek
8387 Ford Rd.
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July 13, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

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JUL 19 2011

FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As a boater, I depend on the availability of undegraded GPS signals for navigation while offshore and while near shore in reduced visibility. At times this is a life and death need.

Please consider this as you assign this portion of the radio frequency spectrum.

Sincerely,



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